LISTING OF THE CLAIMS

A complete listing of the claims is provided below. This listing of claims will replace all prior versions and/or listings, of claims in the application.

1. (Cancelled)

2. (Currently Amended) Mixer as defined in Claim ~~1~~ 6, wherein an opening of the second flow of gas into the first flow of gas is located at a front half of the incorporated surface.

3. (Currently Amended) Mixer as defined in Claim ~~1~~ 6, wherein the chamber includes side walls arranged at an angle to the incorporated surface which stiffen said incorporated surface against bending loads.

4. (Currently Amended) Mixer as defined in Claim ~~1~~ 6 wherein the separate flow channel is routed to the incorporated surface on a front side thereof.

5. (Cancelled)

6. (Currently Amended) ~~Mixer as defined in Claim 1, further comprising~~ Mixer for mixing at least two flows of gas or other Newtonian liquids, comprising:

a main flow channel comprising a wall through which a first flow of gas passes; and

an incorporated surface arranged in the main flow channel which affects the first flow, the incorporated surface having leading edges that are oriented against the first flow and around

which the first flow can move freely, the leading edge having components that act in a main direction of flow of the gas as well as transversely thereto;

a plurality of struts that support the incorporated surface relative to the wall; and

a device to adjust an angle of the incorporated surface relative to the main direction of flow,

wherein the incorporated surface has a chamber which is connected with a separate flow channel for a second flow of gas for routing the second flow of gas through the main flow channel into the chamber, the chamber having a bigger cross-section than the separate flow channel, and

wherein said chamber being provided with outlet openings of the second flow of gas into the first flow of gas, and

wherein the outlet openings are provided on a rear side of the incorporated structure, that faces away from an inflow of the first flow of gas.

7. (Currently Amended) ~~Mixer as defined in Claim 1,~~ Mixer for mixing at least two flows of gas or other Newtonian liquids, comprising:

a main flow channel comprising a wall through which a first flow of gas passes; and

an incorporated surface arranged in the main flow channel which affects the first flow, the incorporated surface having leading edges that are oriented against the first flow and around which the first flow can move freely, the leading edge having components that act in a main direction of flow of the gas as well as transversely thereto;

a plurality of struts that support the incorporated surface relative to the wall,

wherein the incorporated surface has a chamber which is connected with a separate flow channel for a second flow of gas for routing the second flow of gas through the main flow channel into the chamber, the chamber having a bigger cross-section than the separate flow channel, and

wherein said chamber being provided with outlet openings of the second flow of gas into the first flow of gas, and

wherein the outlet openings are provided on a rear side of the incorporated structure, that faces away from an inflow of the first flow of gas, and

wherein the outlet openings from separate chambers are arranged one behind the other.

8. (Currently Amended) Mixer as defined in Claim ~~1~~ 6, wherein the incorporated surface is a vortex-generating disc.

9. (Previously Presented) Mixer as defined in Claim 5 wherein one of the struts is tubular and forms the separate flow channel.

10. (New) Mixer as defined in Claim 7, wherein an opening of the second flow of gas into the first flow of gas is located at a front half of the incorporated surface.

11. (New) Mixer as defined in Claim 7, wherein the chamber includes side walls arranged at an angle to the incorporated surface which stiffen said incorporated surface against bending loads.

12. (New) Mixer as defined in Claim 7 wherein the separate flow channel is routed to the incorporated surface on a front side thereof.